

Jarrell, Noble

190252

From: Haddad, Maher  
Sent: Friday, May 12, 2006 7:57 AM  
To: Jarrell, Noble  
Subject: 10/714,564

Maher Haddad, 1644  
REM 3D79/3C70  
(571) 272-0845

Noble,

RWA PIP

Would you please search the amino acid peptide (Arg-Trp-Ala-Pro-Ile-Pro) SEQ ID NO: 2, wherein the peptide present in a linear or cyclic peptide. The size of the peptide contains no more than 50 amino acids. Thanks-Maher

Seq 2 : ~~W~~ WAPIP

Compound  
2 AA

Nob  
F 5/17/06  
10 PR  
12oz  
25102  
STR

=> b reg  
FILE 'REGISTRY' ENTERED AT 10:58:11 ON 17 MAY 2006  
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STRUCTURE FILE UPDATES: 16 MAY 2006 HIGHEST RN 884586-69-0  
DICTIONARY FILE UPDATES: 16 MAY 2006 HIGHEST RN 884586-69-0

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\* The CA roles and document type information have been removed from \*  
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\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

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experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

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STRUCTURE FILE UPDATES: 16 MAY 2006 HIGHEST RN 884586-69-0  
DICTIONARY FILE UPDATES: 16 MAY 2006 HIGHEST RN 884586-69-0

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conducting SmartSELECT searches.

\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

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FILE 'HCAPLUS' ENTERED AT 10:58:58 ON 17 MAY 2006  
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FILE COVERS 1907 - 17 May 2006 VOL 144 ISS 21  
FILE LAST UPDATED: 16 May 2006 (20060516/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

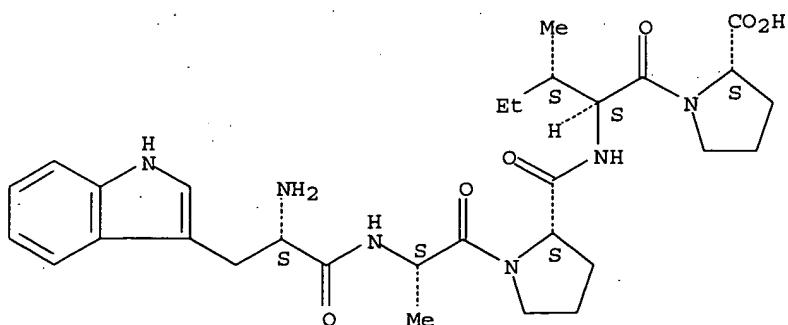
This file contains CAS Registry Numbers for easy and accurate  
substance identification.

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L12 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:467918 HCAPLUS
DN 141:33754
TI Peptides with cell adhesion-modulating activity derived from the
tryptophan-containing cell adhesion recognition regions of atypical or
desmosomal cadherins
IN Blaschuk, Orest W.; Michaud, Stephanie D.
PA Adherex Technologies, Inc., Can.
SO PCT Int. Appl., 507 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT. 1
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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO2004048411	A2	20040610	2003WO-IB06208	20031114 <--
WO2004048411	A3	20050310		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA---2506037	AA	20040610	2003CA-2506037	20031114 <--
AU2003298475	A1	20040618	2003AU-0298475	20031114 <--
US2004175361	A1	20040909	2003US-0714564	20031114 <--
EP---1560850	A2	20050810	2003EP-0796218	20031114 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRAI 2002US-426551P	P	20021114		<--
2002US-426689P	P	20021114		<--
2003WO-IB06208	W	20031114		
OS MARPAT 141:33754				
AB Modulating agents and methods for enhancing or inhibiting nonclassical cadherin-mediated functions, such as atypical or desmosomal cadherin-mediated functions, are provided. The modulating agents comprise at least a tryptophan-containing cell adhesion recognition sequence of an atypical and/or desmosomal cadherin, a conservative analog or peptidomimetic thereof, or an antibody or fragment thereof that specifically binds to such a cell adhesion recognition sequence. Modulating agents may addnl. comprise one or more cell adhesion recognition sequences recognized by cadherins and/or other adhesion mols. Such modulating agents may, but need not, be linked to a targeting agent, pharmaceutically active substance, and/or support material. The effects of desmocollin-derived peptide ADH358 (H-RWAPIP-NH <sub>2</sub> ) on SKOV3 human ovarian cancer cells are described.				
IT 701954-88-3				
RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)				
(peptides with cell adhesion-modulating activity derived from tryptophan-containing cell adhesion recognition regions of atypical or desmosomal cadherins)				
RN 701954-88-3 HCPLUS				
CN L-Proline, L-tryptophyl-L-alanyl-L-prolyl-L-isoleucyl- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



IT 701954-88-3 701971-27-9  
RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES

## (Uses)

(peptides with cell adhesion-modulating activity derived from tryptophan-containing cell adhesion recognition regions of atypical or desmosomal cadherins)

IT 701964-71-8 701964-72-9 701964-73-0  
 701964-74-1 701964-77-4 701964-78-5  
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 701964-85-4 701964-86-5 701966-09-8  
 701966-11-2 701966-13-4 701966-19-0  
 701966-21-4 701966-23-6 701966-24-7  
 701966-26-9 701966-28-1 701966-30-5  
 701966-32-7 701966-33-8 701966-35-0  
 701967-18-2 701967-20-6 701967-22-8  
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 701967-39-7 701967-41-1 701967-43-3  
 701967-45-5 701967-47-7 701968-31-2  
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 701968-49-2 701968-51-6 701968-53-8  
 701968-55-0 701968-57-2 701968-58-3  
 701968-60-7 701969-45-1 701969-48-4  
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 701969-68-8 701969-70-2 701969-72-4  
 701969-74-6 701969-76-8 701970-61-8  
 701970-67-4 701970-69-6 701970-88-9  
 701970-94-7 701970-96-9 702013-45-4  
 702013-46-5

## RL: PRP (Properties)

(unclaimed protein sequence; peptides with cell adhesion-modulating activity derived from tryptophan-containing cell adhesion recognition regions of atypical or desmosomal cadherins)

IT 701969-50-8

## RL: PRP (Properties)

(unclaimed protein sequence; peptides with cell adhesion-modulating activity derived from tryptophan-containing cell adhesion recognition regions of atypical or desmosomal cadherins)

IT 701956-42-5 701956-43-6 701956-44-7  
 701956-46-9 701956-47-0 701956-48-1  
 701956-49-2 701956-50-5 701956-51-6  
 701956-52-7 701956-53-8 701956-54-9

## RL: PRP (Properties)

(unclaimed sequence; peptides with cell adhesion-modulating activity derived from tryptophan-containing cell adhesion recognition regions of atypical or desmosomal cadherins)

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L13 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:5206 HCAPLUS

DN 142:69950

TI Nucleic acid molecules and encoded proteins associated with maize and their uses for plant improvement

IN La Rosa, Thomas J.; Zhou, Yihua; Kovalic, David; Cao, Yongwei

PA USA

SO U.S. Pat. Appl. Publ., 15 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 76

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

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 PI US2004214272 A1 20041028 2003US-0425115 20030428  
 US2004214272 A1 20041028 2003US-0425115 20030428  
 PRAI 2003US-0425115 A 20030428  
 AB Recombinant polynucleotides useful for improvement of plants are provided. In particular, a total of 184,663 cDNA sequences are provided from cDNA libraries generated from Zea mays (corn). The polypeptides encoded by these polynucleotide sequences are also provided. The open reading frame in each polynucleotide sequence is identified by a combination of predictive and homol. based methods. Functions of polypeptides are determined using a hierarchical classification tool (FuncAT) and five public classification schemes (GO\_BP, GO\_CC, GO\_MF, KEGG, and EC) and one internal Monsanto classification scheme (POI). The disclosed recombinant polynucleotides and polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of 74 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints].  
 IT 811980-78-6  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; nucleic acid mols. and encoded proteins associated with maize and their uses for plant improvement)  
 RN 811980-78-6 HCPLUS  
 CN L-Alanine, L-alanyl-L-asparaginylglycyl-L-arginyl-L-seryl-L-seryl-L-prolyl-L-seryl-L-serylglycyl-L-isoleucyl-L-alanyl-L-leucyl-L-prolyl-L-tryptophyl-L-alanyl-L-prolyl-L-isoleucyl-L-prolyl-L-lysyl-L-seryl-L-prolyl-L-alanyl-L-seryl-L-isoleucyl-L-methionyl-L-cysteinyl-L-leucyl-L-arginyl-L- $\alpha$ -aspartyl-L-alanyl-L-isoleucyl-L-alanyl-L-seryl-L-histidyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-alanyl-L-alanyl-L-threonyl-L-lysyl-L-alanyl-L-alanyl-L-alanyl-L- $\alpha$ -aspartyl- (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L13 ANSWER 2 OF 5 HCPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:663848 HCPLUS  
 DN 141:186003  
 TI Rice nucleic acid molecules and encoded proteins and their uses for plant improvement  
 IN La Rosa, Thomas J.; Kovalic, David K.; Zhou, Yihua; Cao, Yongwei; Wu, Wei; Boukharov, Andrey A.; Barbazuk, Brad W.  
 PA USA  
 SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 837,604.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 27

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US2004123343	A1	20040624	2003US-0437963	20030514
US2004123343	A1	20040624	2003US-0437963	20030514
PRAI 2000US-197872P	P	20000419		
2001US-0837604	A2	20010418		
2003US-0437963	A	20030514		

AB The present invention provides 102,483 cDNA sequences and their encoded protein sequences from rice (*Oryza sativa*). Bioinformatic anal. identified putative functions and uses for the nucleic acids/polypeptides. The disclosed polynucleotides and polypeptides find use in production of transgenic plants to produce plants having improved properties. [This abstract record is one of forty-one records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints].

IT 736505-42-3  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; rice nucleic acid mols. and encoded proteins and

their uses for plant improvement)

RN 736505-42-3 HCAPLUS  
 CN Peptide, (Leu-Pro-Asn-Leu-Lys-Ser-Phe-Asn-Lys-Ala-Xaa-Gly-Gln-Gly-Leu-Arg-Leu-Asn-Gln-Gly-Trp-Ala-Pro-Ile-Pro-Lys-Ala-Tyr-Trp-Pro-Leu-Glu-Phe-Trp-Ala-Asn-Phe-Trp-Ser-Gly) (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L13 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:260846 HCAPLUS  
 DN 140:248288  
 TI Soybean nucleic acids and encoded proteins associated with transcription in plants and their uses for plant improvement  
 IN La Rosa, Thomas J.; Zhou, Yihua; Kovalic, David K.; Cao, Yongwei  
 PA USA  
 SO U.S. Pat. Appl. Publ., 15 pp., Cont.-in-part of U.S. Ser. No. 985,678, abandoned.  
 CODEN: USXXCO

DT Patent  
 LA English

FAN.CNT 76

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US2004031072	A1	20040212	2003US-0424599	20030428
	US2004031072	A1	20040212	2003US-0424599	20030428
PRAI	1999US-0304517	B1	19990506		
	2001US-0985678	B2	20011105		
	2003US-0424599	A	20030428		

AB This invention provides 142,842 polynucleotide sequences isolated from a cDNA library generated from Glycine maximum. The open reading frame in each polynucleotide sequence is identified by a combination of predictive and homol.-based methods. Functions of polypeptides encoded by the polynucleotides sequences are determined using a hierarchical classification tool, termed FuncAT, for Functional Categories Annotation Tool. Sequences useful for producing transgenic plants having improved biol. properties are identified from their FuncAT annotations. [This abstract record is one of 72 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 671472-45-0  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (amino acid sequence; soybean nucleic acids and encoded proteins associated with transcription in plants and their uses for plant improvement)

RN 671472-45-0 HCAPLUS  
 CN L-Cysteine, L-phenylalanyl-L-tyrosyl-L-phenylalanyl-L-prolyl-L-threonyl-L-threonyl-L-isoleucyl-L-asparaginyl-L-tyrosyl-L- $\alpha$ -aspartyl-L-valylglycyl-L-seryl-L-prolyl-L-threonyl-L-tryptophylglycyl-L- $\alpha$ -aspartyl-L-leucyl-L-arginyl-L-tryptophyl-L-alanyl-L-prolyl-L-isoleucyl-L-prolyl-L-seryl-L-alanyl-L-methionyl-L- $\alpha$ -glutamyl-L-valyl-L-threonyl-L-asparaginyl-L-leucylglycyl-L-histidyl-L-arginyl-L-prolyl-L-seryl-L-cysteinyl-L-seryl- (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L13 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1982:46386 HCAPLUS  
 DN 96:46386  
 TI Theoretical conformational analysis of bradykinin-potentiating peptides.  
 VIII. Structure and function  
 AU Popov, E. M.; Sevast'yanova, N. N.  
 CS M. M. Shemyakin Inst. Bioorg. Chem., Moscow, USSR  
 SO Bioorganicheskaya Khimiya (1981), 7(10), 1478-86  
 CODEN: BIKHD7; ISSN: 0132-3423  
 DT Journal

LA Russian

AB The inhibitory effects of 19 natural bradykinin-potentiating peptides BBP5 [30505-63-6] and 18 synthetic analogs on angiotensin-converting enzyme and the bradykinin potentiating effects of another 12 analogs were related to the effects of the various amino acid substitutions on conformational state of the natural compound. The enzyme inhibiting activity was most adversely affected by substitution of tryptophanyl with phenylalanyl plus substitution of proline with pyrrolidinone. Substitution of proline with prolinamide decreased bradykinin potentiating activity to the greatest extent.

IT 35615-10-2

RL: BIOL (Biological study)

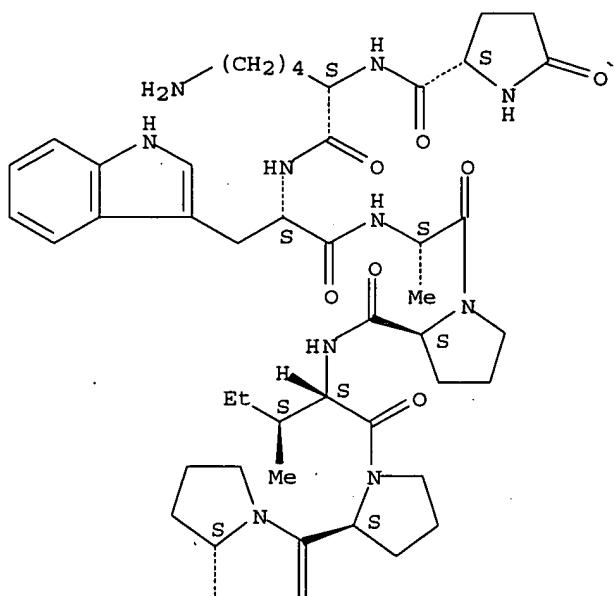
(bradykinin-potentiating activity of, structure in relation to)

RN 35615-10-2 HCAPLUS

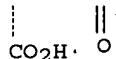
CN L-Proline, 1-[1-[N-[1-[N-[N-[N2-(5-oxo-L-prolyl)-L-lysyl]-L-tryptophyl]-L-alanyl]-L-prolyl]-L-isoleucyl]-L-prolyl] - (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



L13 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:81410 HCAPLUS

DN 76:81410

TI Synthetic bradykinin potentiating peptides related to those isolated from snake venoms

AU Freer, Richard J.; Stewart, John Morrow

CS Med. Sch., Univ. Colorado, Denver, CO, USA

SO Ciencia e Cultura (Sao Paulo) (1971), 23(4), 539-42

CODEN: CCUPAD; ISSN: 0009-6725

DT Journal

LA English

AB Several peptides related to the bradykinin potentiating peptides of Bothrops jararaca venom were synthesized and tested for their ability to potentiate the response of the isolated guinea pig ileum to bradykinin. The pentapeptide seems to be the min. length required for potentiating potency. Examination of the structures of the naturally occurring bradykinin potentiating peptides and the synthetic analogs showed that no simple structural criteria exist for determining potentiating potency. This may be due to the existence of multiple mechanisms for potentiation of the kinin response.

IT 35615-10-2

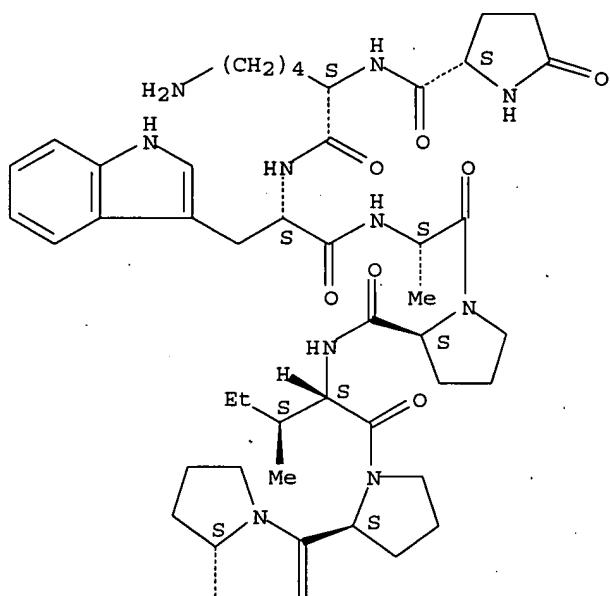
RL: BIOL (Biological study)  
(bradykinin potentiation by)

RN 35615-10-2 HCPLUS

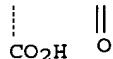
CN L-Proline, 1-[1-[N-[1-[N-[N-[N2-(5-oxo-L-prolyl)-L-lysyl]-L-tryptophyl]-L-alanyl]-L-prolyl]-L-isoleucyl]-L-prolyl] - (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



=&gt; b uspatall

FILE 'USPATFULL' ENTERED AT 10:59:39 ON 17 MAY 2006

CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 10:59:39 ON 17 MAY 2006

CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=&gt; d bib abs fhitstr hitrn 115

L15 ANSWER 1 OF 1 USPATFULL on STN  
 AN 2004:226976 USPATFULL  
 TI Compounds and methods for modulating functions of nonclassical cadherins  
 IN Blaschuk, Orest W., Westmount, CANADA  
 Michaud, Stephanie D., Hull, CANADA  
 PA Adherex Technologies, Inc, Ottawa, CANADA, K1G 5Z3 (non-U.S.  
 corporation)  
 PI US2004175361 A1 20040909  
 AI 2003US-0714564 A1 20031114 (10)  
 PRAI 2002US-426551P 20021114 (60)  
 2002US-426689P 20021114 (60)  
 DT Utility  
 FS APPLICATION  
 LREP SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300,  
 SEATTLE, WA, 98104-7092  
 CLMN Number of Claims: 101  
 ECL Exemplary Claim: 1  
 DRWN 11 Drawing Page(s)  
 LN.CNT 11396

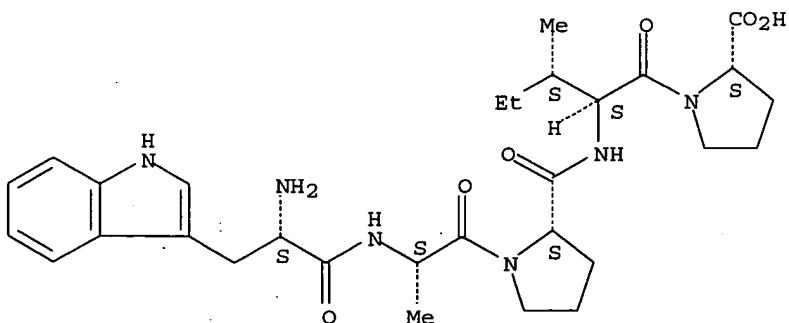
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Modulating agents and methods for enhancing or inhibiting nonclassical cadherin-mediated functions, such as atypical or desmosomal cadherin-mediated functions, are provided. The modulating agents comprise at least a tryptophan-containing cell adhesion recognition sequence of an atypical and/or desmosomal cadherin, a conservative analogue or peptidomimetic thereof, or an antibody or fragment thereof that specifically binds to such a cell adhesion recognition sequence. Modulating agents may additionally comprise one or more cell adhesion recognition sequences recognized by cadherins and/or other adhesion molecules. Such modulating agents may, but need not, be linked to a targeting agent, pharmaceutically active substance and/or support material.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 701954-88-3  
 (peptides with cell adhesion-modulating activity derived from the tryptophan-containing cell adhesion recognition regions of atypical or desmosomal cadherins)  
 RN 701954-88-3 USPATFULL  
 CN L-Proline, L-tryptophyl-L-alanyl-L-prolyl-L-isoleucyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 701954-88-3 701971-27-9  
 (peptides with cell adhesion-modulating activity derived from the tryptophan-containing cell adhesion recognition regions of atypical or desmosomal cadherins)  
 IT 701964-71-8 701964-72-9 701964-73-0  
 701964-74-1 701964-77-4 701964-78-5  
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 701967-45-5 701967-47-7 701968-31-2  
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 701969-60-0 701969-62-2 701969-64-4  
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 701970-61-8 701970-67-4 701970-69-6  
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 702013-45-4 702013-46-5  
 (unclaimed protein sequence; peptides with cell adhesion-modulating activity derived from the tryptophan-containing cell adhesion recognition regions of atypical or desmosomal cadherins)

IT 701956-42-5 701956-43-6 701956-44-7  
 701956-46-9 701956-47-0 701956-48-1  
 701956-49-2 701956-50-5 701956-51-6  
 701956-52-7 701956-53-8 701956-54-9  
 (unclaimed sequence; peptides with cell adhesion-modulating activity derived from the tryptophan-containing cell adhesion recognition regions of atypical or desmosomal cadherins)

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(FILE 'HOME' ENTERED AT 10:47:53 ON 17 MAY 2006)

FILE 'HCAPLUS' ENTERED AT 10:48:05 ON 17 MAY 2006

L1 1 US204175361/PN OR (US2003-714564 OR US2002-426551# OR US2002-42  
 E BLASCHUK/AU  
 L2 103 E7-10  
 E MICHAUD S/AU  
 L3 25 E3,E16-18  
 L4 31 ADHEREX/CS,PA

FILE 'REGISTRY' ENTERED AT 10:50:34 ON 17 MAY 2006

FILE 'HCAPLUS' ENTERED AT 10:50:37 ON 17 MAY 2006  
 L5 TRA L1 1- RN : 1405 TERMS

FILE 'REGISTRY' ENTERED AT 10:50:37 ON 17 MAY 2006

L6 1405 SEA L5  
 L7 1405 S L5  
 L8 193 S L7 AND SQL=6  
 L9 50 RWAPIP/SQSP AND SQL<=50  
 L10 95 WAPIP/SQSP AND SQL<=50

FILE 'HCAPLUS' ENTERED AT 10:55:16 ON 17 MAY 2006

L11 6 L9-10  
 L12 1 L11 AND L1-4  
 L13 5 L11 NOT L12

FILE 'HCAOLD' ENTERED AT 10:56:21 ON 17 MAY 2006

L14 0 L9-10

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FILE 'USPATFULL, USPAT2' ENTERED AT 10:56:28 ON 17 MAY 2006  
L15 1 L14

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